

99708-5

☐ SECRET☒ CONFIDENTIAL☐ UNCLASSIFIED

Approved For Release 2002/06/17 : CIA-RDP78B04747A002500040008-3

CONTRACT INSPECTION REPORT		CONTRACT NO.	TASK NO.		
TO: CONTRACT ADMINISTRATION & SETTLEMENT BRANCH/PD/OL		DATE 2 February 1966	25X1A		
		INSPECTION REPORT NO. (If final, so state) 10 (FINAL)			
		ESTIMATED COMPLETION DATE 2 February 1966			
NAME OF CONTRACTOR			25X1A		
TYPE OF COMMODITY OR SERVICE Optical Dipoles					
THE CONTRACTOR IS ON SCHEDULE <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		THE CONTRACTOR WILL PROBABLY REMAIN WITHIN ALLOCATED FUNDS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF ANSWER IS "NO" ADVISE RECOMMENDATION AND/OR ACTION OF SPONSORING OFFICE, ON REVERSE HEREOF. IF KNOWN, INDICATE MAGNITUDE OF ADDITIONAL FUNDS INVOLVED.			
PER CENT OF WORK COMPLETED - 100%					
PER CENT OF FUNDS EXPENDED - 100%					
HAS AN INTERIM REPORT, FINAL REPORT, PROTOTYPE, OR OTHER END ITEM BEEN RECEIVED FROM THE CONTRACTOR DURING THE PERIOD? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO (If yes, give details on reverse side.)					
HAS GOVERNMENT-OWNED PROPERTY BEEN DELIVERED TO CONTRACTOR DURING THIS PERIOD? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (If yes, indicate items, quantity, and cost on reverse side.)					
INCENTIVES					
IS THIS AN INCENTIVE CONTRACT <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		NOTE: USE REVERSE SIDE FOR COMMENTS. FINAL REPORT MUST CONTAIN INCENTIVE EVALUATION.			
IF YES, CHECK TYPE <input type="checkbox"/> COST <input checked="" type="checkbox"/> PERFORMANCE <input type="checkbox"/> DELIVERY					
OVERALL PERFORMANCE OF CONTRACTOR					
1. <input type="checkbox"/> OUTSTANDING	3. <input type="checkbox"/> ABOVE AVERAGE	5. <input type="checkbox"/> BELOW AVERAGE	7. <input type="checkbox"/> UNSATISFACTORY		
2. <input type="checkbox"/> EXCELLENT	4. <input type="checkbox"/> AVERAGE	6. <input checked="" type="checkbox"/> BARELY ADEQUATE			
IF OVERALL PERFORMANCE OF CONTRACTOR IS UNSATISFACTORY OR BARELY ADEQUATE, INDICATE REASONS ON REVERSE SIDE.					
RECOMMENDED ACTION					
<input type="checkbox"/> CONTINUE AS PROGRAMMED		<input type="checkbox"/> WITHHOLD PAYMENT PENDING SATISFACTORY PERFORMANCE			
Declass Review by NIMA/DOD					
<input checked="" type="checkbox"/> TERMINATE		<input type="checkbox"/> OTHER (Specify)			
IF TERMINATION IS RECOMMENDED OR IF THIS IS A FINAL REPORT PUT COMMENTS ON REVERSE IN NARRATIVE FOR CONTRACTOR'S PERFORMANCE AND CERTIFY THAT ALL DELIVERABLE ITEMS UNDER THE CONTRACT HAVE BEEN RECEIVED. THESE INCLUDE, WHERE APPLICABLE, THE FOLLOWING:					
ITEM	REC'D	DOES NOT APPLY	ITEM	REC'D	DOES NOT APPLY
PROTOTYPES		<input checked="" type="checkbox"/>	MANUALS		<input checked="" type="checkbox"/>
DRAWINGS AND SPECIFICATIONS		<input checked="" type="checkbox"/>	FINAL REPORT	<input checked="" type="checkbox"/>	
PRODUCTION AND/OR OTHER END ITEMS		<input checked="" type="checkbox"/>	SPECIAL TOOLING		<input checked="" type="checkbox"/>
			OTHER GOVERNMENT PROPERTY		<input checked="" type="checkbox"/>
DATE OF LAST CONTACT WITH CONTRACTOR 31 January 1966					
SIGNATURE OF INSPECTOR			DIVISION		
			P & D S		
			SIGNATURE OF APPROVER		
Approved For Release 2002/06/17 : CIA-RDP78B04747A002500040008-3					

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NARRATIVE REPORT☐ INTERIM☒ FINAL

The final report has been received and thoroughly evaluated. A complete technical evaluation is attached dated 2 February 1966. The contractor's overall performance on this contract has been barely adequate and as indicated in the technical evaluation has failed to complete the terms of the contract both in failing to establish the answers specifically posed and failing to complete Phase II. For these reasons, the contractor has earned only the minimum fee.

The report certifies that all deliverable items under the contract have been received.

PDS/DB/ISS

25X1A

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25X1A

CONTRACT INSPECTION REPORT

TO:

CONTRACT ADMINISTRATION & SETTLEMENT
BRANCH/PD/OL

DATE

13 December 1965

INSPECTION REPORT NO. (If final, so state)

2

ESTIMATED COMPLETION DATE

31 December 1965

NAME OF CONTRACTOR

25X1A

TYPE OF COMMODITY OR SERVICE

Optical Dipoles

THE CONTRACTOR IS ON SCHEDULE

☐ YES

☒ NO

THE CONTRACTOR WILL PROBABLY REMAIN WITHIN ALLOCATED FUNDS ☒ YES ☐ NO IF ANSWER IS "NO" ADVISE RECOMMENDATION AND/OR ACTION OF SPONSORING OFFICE, ON REVERSE HEREOF. IF KNOWN, INDICATE MAGNITUDE OF ADDITIONAL FUNDS INVOLVED.

PER CENT OF WORK COMPLETED - 90%

PER CENT OF FUNDS EXPENDED - 100%

HAS AN INTERIM REPORT, FINAL REPORT, PROTOTYPE, OR OTHER END ITEM BEEN RECEIVED FROM THE CONTRACTOR DURING THE PERIOD? ☐ YES ☒ NO (If yes, give details on reverse side.)

HAS GOVERNMENT-OWNED PROPERTY BEEN DELIVERED TO CONTRACTOR DURING THIS PERIOD? ☐ YES ☒ NO (If yes, indicate items, quantity, and cost on reverse side.)

INCENTIVES

IS THIS AN INCENTIVE CONTRACT

☒ YES

☐ NO

IF YES, CHECK TYPE

☐ COST

☒ PERFORMANCE

☐ DELIVERY

NOTE:

USE REVERSE SIDE FOR COMMENTS.

FINAL REPORT MUST CONTAIN INCENTIVE EVALUATION.

OVERALL PERFORMANCE OF CONTRACTOR

1. ☐ OUTSTANDING

3. ☐ ABOVE AVERAGE

5. ☒ BELOW AVERAGE 7. ☐ UNSATISFACTORY

2. ☐ EXCELLENT

4. ☐ AVERAGE

6. ☐ BARELY ADEQUATE

IF OVERALL PERFORMANCE OF CONTRACTOR IS UNSATISFACTORY OR BARELY ADEQUATE, INDICATE REASONS ON REVERSE SIDE.

RECOMMENDED ACTION

☒ CONTINUE AS PROGRAMMED

☐ WITHHOLD PAYMENT PENDING
SATISFACTORY PERFORMANCE

☐ TERMINATE

☐ OTHER (Specify)

IF TERMINATION IS RECOMMENDED OR IF THIS IS A FINAL REPORT PUT COMMENTS ON REVERSE IN NARRATIVE FORM ON CONTRACTOR'S PERFORMANCE AND CERTIFY THAT ALL DELIVERABLE ITEMS UNDER THE CONTRACT HAVE BEEN RECEIVED. THESE INCLUDE, WHERE APPLICABLE, THE FOLLOWING:

ITEM	REC'D	DOES NOT APPLY	ITEM	REC'D	DOES NOT APPLY
PROTOTYPES			MANUALS		
DRAWINGS AND SPECIFICATIONS			FINAL REPORT		
PRODUCTION AND/OR OTHER END ITEMS			SPECIAL TOOLING		
			OTHER GOVERNMENT PROPERTY		

DATE OF LAST CONTACT WITH CONTRACTOR

7 December 1965

SIGNATURE OF INSPECTOR

DIVISION

P & D S

SIGNATURE OF APPROVER

Approved For Release 2002/06/17 : CIA-RDP78B04747A002500040008-3

☐ SECRET☒ CONFIDENTIAL☐ UNCLASSIFIEDApproved For Release 2002/06/17 : CIA-RDP78B04747A002500040008-3
NARRATIVE REPORT☒ INTERIM☐ FINAL**Inspection Visit of 7 December 1965****ATTENDEES:**

[redacted] had a demonstration prepared showing the photo-ionic effect. Aluminum flakes were used for the dipoles and poly-vinyl-carbonate was the U.V. ionization material.

The cell would transmit only 4% of the incident light in the "closed" state. When the voltage is applied across the cell, the dipoles would align and the cell would transmit 67% of the light. After the voltage across the cell was turned off, the cell would only "close" to 17% transmittance because of the mutual attraction of the charged dipoles which would cause them to coagulate so that the large particles would tend settle to the bottom of the cell. The cycling time between open and closed states was as long as five minutes. An ultra-violet light source was then projected on the cell and the voltage was again applied.--- the transmittance was 23%. This indicates that the U.V. does shield the electric field; however, at this point the experiment could not be repeated with the cell because too many large aluminum particles had been formed.

The slow cycling time is influenced by the high viscosity of the dipole solvent and the relatively large dipole size.

Although some progress has been made, the contractor is far from having proved feasibility of the dipole screen.

The final report is due by 31 December 1965.

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☒ CONFIDENTIAL

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Approved For Release 2002/06/17 : CIA-RDP78B04747A002500040008-3
CONTRACT INSPECTION REPORT

TO:

ENGINEERING SECTION/CB/PD/OL

DATE

27 October 1965

INSPECTION REPORT NO. (If final, so state)

8

ESTIMATED COMPLETION DATE

1 December 1965

NAME OF CONTRACTOR

TYPE OF COMMODITY OR SERVICE

Optical Diodes

THE CONTRACTOR IS ON SCHEDULE

☐ YES

☒ NO

PER CENT OF WORK COMPLETED - 65%

PER CENT OF FUNDS EXPENDED - 95%

THE CONTRACTOR WILL PROBABLY REMAIN WITHIN ALLOCATED FUNDS ☒ YES ☐ NO IF ANSWER IS "NO" ADVISE RECOMMENDATION AND/OR ACTION OF SPONSORING OFFICE, ON REVERSE HEREOF. IF KNOWN, INDICATE MAGNITUDE OF ADDITIONAL FUNDS INVOLVED.

HAS AN INTERIM REPORT, FINAL REPORT, PROTOTYPE, OR OTHER END ITEM BEEN RECEIVED FROM THE CONTRACTOR DURING THE PERIOD? ☐ YES ☒ NO (If yes, give details on reverse side.)

HAS GOVERNMENT-OWNED PROPERTY BEEN DELIVERED TO CONTRACTOR DURING THIS PERIOD? ☐ YES ☐ NO (If yes, indicate items, quantity, and cost on reverse side.)

INCENTIVES

IS THIS AN INCENTIVE CONTRACT

☒ YES

☐ NO

IF YES, CHECK TYPE

☐ COST

☒ PERFORMANCE

☐ DELIVERY

NOTE:

USE REVERSE SIDE FOR COMMENTS.

FINAL REPORT MUST CONTAIN INCENTIVE EVALUATION.

OVERALL PERFORMANCE OF CONTRACTOR

1. ☐ OUTSTANDING

3. ☐ ABOVE AVERAGE

5. ☒ BELOW AVERAGE 7. ☐ UNSATISFACTORY

2. ☐ EXCELLENT

4. ☐ AVERAGE

6. ☐ BARELY ADEQUATE

IF OVERALL PERFORMANCE OF CONTRACTOR IS UNSATISFACTORY OR BARELY ADEQUATE, INDICATE REASONS ON REVERSE SIDE.

RECOMMENDED ACTION

☒ CONTINUE AS PROGRAMMED

☐ WITHHOLD PAYMENT PENDING SATISFACTORY PERFORMANCE

☐ TERMINATE

☐ OTHER (Specify)

IF TERMINATION IS RECOMMENDED OR IF THIS IS A FINAL REPORT PUT COMMENTS ON REVERSE IN NARRATIVE FORM ON CONTRACTOR'S PERFORMANCE AND CERTIFY THAT ALL DELIVERABLE ITEMS UNDER THE CONTRACT HAVE BEEN RECEIVED. THESE INCLUDE, WHERE APPLICABLE, THE FOLLOWING:

ITEM	REC'D	DOES NOT APPLY	ITEM	REC'D	DOES NOT APPLY
PROTOTYPES			MANUALS		
DRAWINGS AND SPECIFICATIONS			FINAL REPORT		
PRODUCTION AND/OR OTHER END ITEMS			SPECIAL TOOLING		
			OTHER GOVERNMENT PROPERTY		

DATE OF LAST CONTACT WITH CONTRACTOR
26 October 1965

SIGNATURE OF INSPECTOR

DIVISION

P & D S

SIGNATURE OF APPROVER

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NARRATIVE REPORT

☒ INTERIM

☐ FINAL

25X1A
25X1A

1

[redacted] was called on this date to determine when the Technical Monitor could expect to receive the final report on this project. [redacted] stated that they are continuing to do work (company funded) even though they have expended the contractual funds. They are doing this in order to be able to answer the questions specifically stated in the contract. Completion of this work is expected to be about 15 November 1965 and at that time a final report will be submitted.

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CONTRACT INSPECTION REPORT

TO:

ENGINEERING SECTION/CB/PD/OL

DATE

11 September 1965

INSPECTION REPORT NO. (If final, so state)

7

ESTIMATED COMPLETION DATE

1 October 1965

NAME OF CONTRACTOR

TYPE OF COMMODITY OR SERVICE

Optical Dipoles

THE CONTRACTOR IS ON SCHEDULE

☐ YES

☒ NO

PER CENT OF WORK COMPLETED -

60%

PER CENT OF FUNDS EXPENDED -

89.4%

THE CONTRACTOR WILL PROBABLY REMAIN WITHIN ALLOCATED FUNDS ☒ YES ☐ NO IF ANSWER IS "NO" ADVISE RECOMMENDATION AND/OR ACTION OF SPONSORING OFFICE, ON REVERSE HEREOF. IF KNOWN, INDICATE MAGNITUDE OF ADDITIONAL FUNDS INVOLVED.

HAS AN INTERIM REPORT, FINAL REPORT, PROTOTYPE, OR OTHER END ITEM BEEN RECEIVED FROM THE CONTRACTOR DURING THE PERIOD? ☒ YES ☐ NO (If yes, give details on reverse side.)

HAS GOVERNMENT-OWNED PROPERTY BEEN DELIVERED TO CONTRACTOR DURING THIS PERIOD? ☐ YES ☒ NO (If yes, indicate items, quantity, and cost on reverse side.)

INCENTIVES

IS THIS AN INCENTIVE CONTRACT

☒ YES

☐ NO

IF YES, CHECK TYPE

☐ COST

☒ PERFORMANCE

☐ DELIVERY

NOTE:

USE REVERSE SIDE FOR COMMENTS.

FINAL REPORT MUST CONTAIN INCENTIVE EVALUATION.

OVERALL PERFORMANCE OF CONTRACTOR

1. ☐ OUTSTANDING

3. ☐ ABOVE AVERAGE

5. ☒ BELOW AVERAGE 7. ☐ UNSATISFACTORY

2. ☐ EXCELLENT

4. ☐ AVERAGE

6. ☐ BARELY ADEQUATE

IF OVERALL PERFORMANCE OF CONTRACTOR IS UNSATISFACTORY OR BARELY ADEQUATE, INDICATE REASONS ON REVERSE SIDE.

RECOMMENDED ACTION

☒ CONTINUE AS PROGRAMMED

☐ WITHHOLD PAYMENT PENDING SATISFACTORY PERFORMANCE

☐ TERMINATE

☐ OTHER (Specify)

IF TERMINATION IS RECOMMENDED OR IF THIS IS A FINAL REPORT PUT COMMENTS ON REVERSE IN NARRATIVE FORM ON CONTRACTOR'S PERFORMANCE AND CERTIFY THAT ALL DELIVERABLE ITEMS UNDER THE CONTRACT HAVE BEEN RECEIVED. THESE INCLUDE, WHERE APPLICABLE, THE FOLLOWING:

ITEM	REC'D	DOES NOT APPLY	ITEM	REC'D	DOES NOT APPLY
PROTOTYPES			MANUALS		
DRAWINGS AND SPECIFICATIONS			FINAL REPORT		
PRODUCTION AND/OR OTHER END ITEMS			SPECIAL TOOLING		
			OTHER GOVERNMENT PROPERTY		

DATE OF LAST CONTACT WITH CONTRACTOR

10 September 1965

SIGNATURE OF INSPECTOR

DIVISION

P & D S

SIGNATURE OF APPROVER

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NARRATIVE REPORT

☒ INTERIM

☐ FINAL

Monthly Progress Report No. 5 dated 16 August 1965 was received
2 September 1965.

Inspection visit of 10 September 1965

Attendees:



A short review was given for the benefit of [redacted] and
then [redacted] was asked to review their progress since the last visit.
As could be best established [redacted] has yet to set up a definitive
testing procedure and has not undertaken tests on the large variety
of materials that they were going to examine. They are still
working with polyvinyl carbazol as outlined in the above listed
progress report for July.

The contractor has expended all of the project funds and is
presently preparing the final report. It should be completed by
the end of September.

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CONTRACT INSPECTION REPORT

TO:

ENGINEERING SECTION/CB/PD/OL

DATE

24 August 1965

INSPECTION REPORT NO. (If final, so state)

6

ESTIMATED COMPLETION DATE

1 September 1965

NAME OF CONTRACTOR

TYPE OF COMMODITY OR SERVICE

Optical Dipoles

THE CONTRACTOR IS ON SCHEDULE

☒ YES

☐ NO

PER CENT OF WORK COMPLETED -

57%

PER CENT OF FUNDS EXPENDED -

67.5%

THE CONTRACTOR WILL PROBABLY REMAIN WITHIN ALLOCATED FUNDS ☒ YES ☐ NO IF ANSWER IS "NO" ADVISE RECOMMENDATION AND/OR ACTION OF SPONSORING OFFICE, ON REVERSE HEREOF. IF KNOWN, INDICATE MAGNITUDE OF ADDITIONAL FUNDS INVOLVED.

HAS AN INTERIM REPORT, FINAL REPORT, PROTOTYPE, OR OTHER END ITEM BEEN RECEIVED FROM THE CONTRACTOR DURING THE PERIOD? ☐ YES ☒ NO (If yes, give details on reverse side.)

HAS GOVERNMENT-OWNED PROPERTY BEEN DELIVERED TO CONTRACTOR DURING THIS PERIOD? ☐ YES ☒ NO (If yes, indicate items, quantity, and cost on reverse side.)

INCENTIVES

IS THIS AN INCENTIVE CONTRACT

☒ YES

☐ NO

IF YES, CHECK TYPE

☐ COST

☒ PERFORMANCE

☐ DELIVERY

NOTE:

USE REVERSE SIDE FOR COMMENTS.

FINAL REPORT MUST CONTAIN INCENTIVE EVALUATION.

OVERALL PERFORMANCE OF CONTRACTOR

1. ☐ OUTSTANDING

3. ☐ ABOVE AVERAGE

5. ☒ BELOW AVERAGE 7. ☐ UNSATISFACTORY

2. ☐ EXCELLENT

4. ☐ AVERAGE

6. ☐ BARELY ADEQUATE

IF OVERALL PERFORMANCE OF CONTRACTOR IS UNSATISFACTORY OR BARELY ADEQUATE, INDICATE REASONS ON REVERSE SIDE.

RECOMMENDED ACTION

☒ CONTINUE AS PROGRAMMED

☐ WITHHOLD PAYMENT PENDING SATISFACTORY PERFORMANCE

☐ TERMINATE

☐ OTHER (Specify)

IF TERMINATION IS RECOMMENDED OR IF THIS IS A FINAL REPORT PUT COMMENTS ON REVERSE IN NARRATIVE FORM ON CONTRACTOR'S PERFORMANCE AND CERTIFY THAT ALL DELIVERABLE ITEMS UNDER THE CONTRACT HAVE BEEN RECEIVED. THESE INCLUDE, WHERE APPLICABLE, THE FOLLOWING:

ITEM	REC'D	DOES NOT APPLY	ITEM	REC'D	DOES NOT APPLY
PROTOTYPES			MANUALS		
DRAWINGS AND SPECIFICATIONS			FINAL REPORT		
PRODUCTION AND/OR OTHER END ITEMS			SPECIAL TOOLING		
			OTHER GOVERNMENT PROPERTY		

DATE OF LAST CONTACT WITH CONTRACTOR

9 August 1965

SIGNATURE OF INSPECTOR

DIVISION

P&DS

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NARRATIVE REPORT

☒ INTERIM

☐ FINAL

Inspection visit of 9 August 1965

Attendees:



On this visit [redacted] expressed his concern that [redacted] was not directing their entire effort to the investigation of the photo-ionic concept of control for the varad fluid [redacted] stated that the entire remainder of the contract will be directed toward this investigation.

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CONTRACT INSPECTION REPORT

TO:

ENGINEERING SECTION/CB/PD/OL

DATE

3 August 1965

INSPECTION REPORT NO. (If final, so state)

5

ESTIMATED COMPLETION DATE

1 September 1965

NAME OF CONTRACTOR

TYPE OF COMMODITY OR SERVICE

Optical Dipoles

THE CONTRACTOR IS ON SCHEDULE

☒ YES

☐ NO

THE CONTRACTOR WILL PROBABLY REMAIN WITHIN ALLOCATED FUNDS ☒ YES ☐ NO IF ANSWER IS "NO" ADVISE RECOMMENDATION AND/OR ACTION OF SPONSORING OFFICE, ON REVERSE HEREOF. IF KNOWN, INDICATE MAGNITUDE OF ADDITIONAL FUNDS INVOLVED.

PER CENT OF WORK COMPLETED -

57%

PER CENT OF FUNDS EXPENDED -

67.8%

HAS AN INTERIM REPORT, FINAL REPORT, PROTOTYPE, OR OTHER END ITEM BEEN RECEIVED FROM THE CONTRACTOR DURING THE PERIOD? ☒ YES ☐ NO (If yes, give details on reverse side.)

HAS GOVERNMENT-OWNED PROPERTY BEEN DELIVERED TO CONTRACTOR DURING THIS PERIOD? ☐ YES ☒ NO (If yes, indicate items, quantity, and cost on reverse side.)

INCENTIVES

IS THIS AN INCENTIVE CONTRACT
IF YES, CHECK TYPE

☒ YES

☐ NO

☐ COST

☒ PERFORMANCE

☐ DELIVERY

NOTE:

USE REVERSE SIDE FOR COMMENTS.

FINAL REPORT MUST CONTAIN INCENTIVE EVALUATION.

OVERALL PERFORMANCE OF CONTRACTOR

1. ☐ OUTSTANDING

3. ☐ ABOVE AVERAGE

5. ☒ BELOW AVERAGE 7. ☐ UNSATISFACTORY

2. ☐ EXCELLENT

4. ☐ AVERAGE

6. ☐ BARELY ADEQUATE

IF OVERALL PERFORMANCE OF CONTRACTOR IS UNSATISFACTORY OR BARELY ADEQUATE, INDICATE REASONS ON REVERSE SIDE.

RECOMMENDED ACTION

☒ CONTINUE AS PROGRAMMED

☐ WITHHOLD PAYMENT PENDING
SATISFACTORY PERFORMANCE

☐ TERMINATE

☐ OTHER (Specify)

IF TERMINATION IS RECOMMENDED OR IF THIS IS A FINAL REPORT PUT COMMENTS ON REVERSE IN NARRATIVE FORM ON CONTRACTOR'S PERFORMANCE AND CERTIFY THAT ALL DELIVERABLE ITEMS UNDER THE CONTRACT HAVE BEEN RECEIVED. THESE INCLUDE, WHERE APPLICABLE, THE FOLLOWING:

ITEM	REC'D	DOES NOT APPLY	ITEM	REC'D	DOES NOT APPLY
PROTOTYPES			MANUALS		
DRAWINGS AND SPECIFICATIONS			FINAL REPORT		
PRODUCTION AND/OR OTHER END ITEMS			SPECIAL TOOLING		
			OTHER GOVERNMENT PROPERTY		

DATE OF LAST CONTACT WITH CONTRACTOR

2 August 1965

SIGNATURE OF INSPECTOR

DIVISION

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☐ SECRET

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NARRATIVE REPORT

☒ INTERIM

☐ FINAL

Monthly Progress Report No. 4 for the month of June 1965 was received 28 July 1965.

25X1A On 27 June 1965 [] was visited to inspect the progress on this contract. It was found that they have been studying the voltage divider control system (as indicated in the attached report) and they demonstrated the principle. Although this system has some possibilities for success, it was pointed out to [] that this was not specifically the goal of the contract. Since the scope of the contract is limited to the photo-ionic approach, they were instructed to investigate solutions only in this area. 25X1A [] stated that all of the equipment is now set up and they have the necessary supplies to test various photo-ionic control systems which is the purpose of the contract, however it is doubted by the monitor if they have sufficient time or funds remaining to do a complete investigation. 25X1A

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CONTRACT INSPECTION REPORT

TO:

ENGINEERING SECTION/CB/PD/OL

CONTRACT NO.

TASK NO.

DATE

8 July 1965

INSPECTION REPORT NO. (If final, so state)

4

ESTIMATED COMPLETION DATE

1 September 1965

NAME OF CONTRACTOR

Optical Dipoles

THE CONTRACTOR IS ON SCHEDULE

☒ YES

☐ NO

THE CONTRACTOR WILL PROBABLY REMAIN WITHIN ALLOCATED FUNDS ☒ YES ☐ NO IF ANSWER IS "NO" ADVISE RECOMMENDATION AND/OR ACTION OF SPONSORING OFFICE, ON REVERSE HEREOF. IF KNOWN, INDICATE MAGNITUDE OF ADDITIONAL FUNDS INVOLVED.

PER CENT OF WORK COMPLETED -

55%

PER CENT OF FUNDS EXPENDED -

60%

HAS AN INTERIM REPORT, FINAL REPORT, PROTOTYPE, OR OTHER END ITEM BEEN RECEIVED FROM THE CONTRACTOR DURING THE PERIOD? ☒ YES ☐ NO (If yes, give details on reverse side.)

HAS GOVERNMENT-OWNED PROPERTY BEEN DELIVERED TO CONTRACTOR DURING THIS PERIOD? ☐ YES ☒ NO (If yes, indicate items, quantity, and cost on reverse side.)

INCENTIVES

IS THIS AN INCENTIVE CONTRACT
IF YES, CHECK TYPE

☒ YES

☐ NO

☐ COST

☒ PERFORMANCE

☐ DELIVERY

NOTE:
USE REVERSE SIDE FOR COMMENTS.
FINAL REPORT MUST CONTAIN INCENTIVE EVALUATION.

OVERALL PERFORMANCE OF CONTRACTOR

1. ☐ OUTSTANDING

3. ☐ ABOVE AVERAGE

5. ☐ BELOW AVERAGE

7. ☐ UNSATISFACTORY

2. ☐ EXCELLENT

4. ☒ AVERAGE

6. ☐ BARELY ADEQUATE

IF OVERALL PERFORMANCE OF CONTRACTOR IS UNSATISFACTORY OR BARELY ADEQUATE, INDICATE REASONS ON REVERSE SIDE.

RECOMMENDED ACTION

☒ CONTINUE AS PROGRAMMED

☐ WITHHOLD PAYMENT PENDING
SATISFACTORY PERFORMANCE

☐ TERMINATE

☐ OTHER (Specify)

IF TERMINATION IS RECOMMENDED OR IF THIS IS A FINAL REPORT PUT COMMENTS ON REVERSE IN NARRATIVE FORM ON CONTRACTOR'S PERFORMANCE AND CERTIFY THAT ALL DELIVERABLE ITEMS UNDER THE CONTRACT HAVE BEEN RECEIVED. THESE INCLUDE, WHERE APPLICABLE, THE FOLLOWING:

ITEM	REC'D	DOES NOT APPLY	ITEM	REC'D	DOES NOT APPLY
PROTOTYPES			MANUALS		
DRAWINGS AND SPECIFICATIONS			FINAL REPORT		
PRODUCTION AND/OR OTHER END ITEMS			SPECIAL TOOLING		
			OTHER GOVERNMENT PROPERTY		

DATE OF LAST CONTACT WITH CONTRACTOR

30 June 1965

SIGNATURE OF INSPECTOR

DIVISION

Approved For Release 2002/06/17 : CIA-RDP78B04747A002500040008-3

☐ SECRET

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NARRATIVE REPORT

☒ INTERIM

☐ FINAL

Monthly Progress Report No. 3 for the month of May 1965 was received 22 June 1965.

On 30 June 1965, [] was visited to inspect the progress on this contract.

ATTENDEES: []

[] reviewed the progress and explained that their main effort was being now directed toward the original Varad (photo-ionic) concept. The monitor expressed his desire for them to continue toward this goal and [] expressed the opinion that a demonstration of the photo-ionic concept should be ready by the end of July. Accordingly a visit has been scheduled for 27 July 1965.

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CONTRACT INSPECTION REPORT

CONTRACT NO.

TASK NO.

TO:

ENGINEERING SECTION/CB/PD/OL

DATE

2 June 1965

INSPECTION REPORT NO. (If final, so state)

3

ESTIMATED COMPLETION DATE

1 September 1965

NAME OF CONTRACTOR

TYPE OF COMMODITY OR SERVICE

Optical Dipole

THE CONTRACTOR IS ON SCHEDULE

☒ YES

☐ NO

PER CENT OF WORK COMPLETED -

38%

PER CENT OF FUNDS EXPENDED -

36%

THE CONTRACTOR WILL PROBABLY REMAIN WITHIN ALLOCATED FUNDS ☒ YES ☐ NO IF ANSWER IS "NO" ADVISE RECOMMENDATION AND/OR ACTION OF SPONSORING OFFICE, ON REVERSE HEREOF. IF KNOWN, INDICATE MAGNITUDE OF ADDITIONAL FUNDS INVOLVED.

HAS AN INTERIM REPORT, FINAL REPORT, PROTOTYPE, OR OTHER END ITEM BEEN RECEIVED FROM THE CONTRACTOR DURING THE PERIOD? ☒ YES ☐ NO (If yes, give details on reverse side.)

HAS GOVERNMENT-OWNED PROPERTY BEEN DELIVERED TO CONTRACTOR DURING THIS PERIOD? ☐ YES ☒ NO (If yes, indicate items, quantity, and cost on reverse side.)

INCENTIVES

IS THIS AN INCENTIVE CONTRACT

☒ YES

☐ NO

IF YES, CHECK TYPE

☐ COST

☒ PERFORMANCE

☐ DELIVERY

NOTE:

USE REVERSE SIDE FOR COMMENTS.

FINAL REPORT MUST CONTAIN INCENTIVE EVALUATION.

OVERALL PERFORMANCE OF CONTRACTOR

1. ☐ OUTSTANDING

3. ☐ ABOVE AVERAGE

5. ☐ BELOW AVERAGE 7. ☐ UNSATISFACTORY

2. ☐ EXCELLENT

4. ☒ AVERAGE

6. ☐ BARELY ADEQUATE

IF OVERALL PERFORMANCE OF CONTRACTOR IS UNSATISFACTORY OR BARELY ADEQUATE, INDICATE REASONS ON REVERSE SIDE.

RECOMMENDED ACTION

☒ CONTINUE AS PROGRAMMED

☐ WITHHOLD PAYMENT PENDING SATISFACTORY PERFORMANCE

☐ TERMINATE

☐ OTHER (Specify)

IF TERMINATION IS RECOMMENDED OR IF THIS IS A FINAL REPORT PUT COMMENTS ON REVERSE IN NARRATIVE FORM ON CONTRACTOR'S PERFORMANCE AND CERTIFY THAT ALL DELIVERABLE ITEMS UNDER THE CONTRACT HAVE BEEN RECEIVED. THESE INCLUDE, WHERE APPLICABLE, THE FOLLOWING:

ITEM	REC'D	DOES NOT APPLY	ITEM	REC'D	DOES NOT APPLY
PROTOTYPES			MANUALS		
DRAWINGS AND SPECIFICATIONS			FINAL REPORT		
PRODUCTION AND/OR OTHER END ITEMS			SPECIAL TOOLING		
			OTHER GOVERNMENT PROPERTY		

DATE OF LAST CONTACT WITH CONTRACTOR

27 May 1965

SIGNATURE OF INSPECTOR

DIVISION

PADS

SIGNATURE OF APPROVER

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NARRATIVE REPORT

☒ INTERIM

☐ FINAL

Monthly progress report no. 2 for the month of April 1965 was received 28 May 1965. (Two copies attached)

On 27 May 1965 [] was visited to inspect the progress on this contract.

Attendees: []

[] explained the three methods that were being investigated to solve the problem. These methods are outlined in the above mentioned progress report.

[] claims that the dipole size should be one half of the wavelength of light. Since the dipole solution has a higher index of refraction than that of air, the length would be one third of the wavelength in solution which would be about 0.17 μ ; also, the resistivity of the dipolar material determines the reflectivity. A high resistive material should be a high absorber of the light that is projected upon it. [] claims that if the dipoles have a resistivity of 73 ohms, then the screen (the dipoles in the random orientation) should be 100% absorbing. If the resistivity is about 7 ohms, then 100% reflectivity is created.

The third method, as outlined in par. 1.3.3 of the April 1965 report, is of some concern because it is a reflective system which is not within the scope of this contract. [] stated that investigation into transparent ZnO or similar material was being undertaken. The construction of a screen as outlined in par. 1.3.3 is as follows: on a transparent support material are the following layers:

1. A 0.5 mil. transparent conductive coating.
2. A 2 mil. Zinc Oxide coating.
3. A 0.2 mil. transparent mica separating layer.
4. A one mil. dipole layer.
5. A 0.2 mil. transparent conductive layer.

In this system, the ZnO layer acts as a photoresister material and controls the electric field which, in turn, controls the dipole orientation. The screen is then composed of a large number of elements; each element consists of a resistor and capacitor with the dipoles between the plates connected in parallel.

As stated in the progress report, equipment is still being set up for a test program in the other two areas.

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CONTRACT INSPECTION REPORT

CONTRACT NO.

TASK NO.

TO:

ENGINEERING SECTION/CB/PD/OL

DATE

17 May 1965

INSPECTION REPORT NO. (If final, so state)

2

ESTIMATED COMPLETION DATE

1 September 1965

NAME OF CONTRACTOR

TYPE OF COMMODITY OR SERVICE

Optical Dipoles

THE CONTRACTOR IS ON SCHEDULE

☒ YES

☐ NO

PER CENT OF WORK COMPLETED - 15%

PER CENT OF FUNDS EXPENDED - 13.7%

THE CONTRACTOR WILL PROBABLY REMAIN WITHIN ALLOCATED FUNDS ☒ YES ☐ NO IF ANSWER IS "NO" ADVISE RECOMMENDATION AND/OR ACTION OF SPONSORING OFFICE, ON REVERSE HEREOF. IF KNOWN, INDICATE MAGNITUDE OF ADDITIONAL FUNDS INVOLVED.

HAS AN INTERIM REPORT, FINAL REPORT, PROTOTYPE, OR OTHER END ITEM BEEN RECEIVED FROM THE CONTRACTOR DURING THE PERIOD? ☒ YES ☐ NO (If yes, give details on reverse side.)

HAS GOVERNMENT-OWNED PROPERTY BEEN DELIVERED TO CONTRACTOR DURING THIS PERIOD? ☐ YES ☒ NO (If yes, indicate items, quantity, and cost on reverse side.)

INCENTIVES

IS THIS AN INCENTIVE CONTRACT

☒ YES

☐ NO

IF YES, CHECK TYPE

☐ COST

☒ PERFORMANCE

☐ DELIVERY

NOTE:

USE REVERSE SIDE FOR COMMENTS.

FINAL REPORT MUST CONTAIN INCENTIVE EVALUATION.

OVERALL PERFORMANCE OF CONTRACTOR

1. ☐ OUTSTANDING

3. ☐ ABOVE AVERAGE

5. ☐ BELOW AVERAGE 7. ☐ UNSATISFACTORY

2. ☐ EXCELLENT

4. ☒ AVERAGE

6. ☐ BARELY ADEQUATE

IF OVERALL PERFORMANCE OF CONTRACTOR IS UNSATISFACTORY OR BARELY ADEQUATE, INDICATE REASONS ON REVERSE SIDE.

RECOMMENDED ACTION

☒ CONTINUE AS PROGRAMMED

☐ WITHHOLD PAYMENT PENDING SATISFACTORY PERFORMANCE

☐ TERMINATE

☐ OTHER (Specify)

IF TERMINATION IS RECOMMENDED OR IF THIS IS A FINAL REPORT PUT COMMENTS ON REVERSE IN NARRATIVE FORM ON CONTRACTOR'S PERFORMANCE AND CERTIFY THAT ALL DELIVERABLE ITEMS UNDER THE CONTRACT HAVE BEEN RECEIVED. THESE INCLUDE, WHERE APPLICABLE, THE FOLLOWING:

ITEM	REC'D	DOES NOT APPLY	ITEM	REC'D	DOES NOT APPLY
PROTOTYPES			MANUALS		
DRAWINGS AND SPECIFICATIONS			FINAL REPORT		
PRODUCTION AND/OR OTHER END ITEMS			SPECIAL TOOLING		
			OTHER GOVERNMENT PROPERTY		

DATE OF LAST CONTACT WITH CONTRACTOR

12 April 1965

SIGNATURE OF INSPECTOR

DIVISION

P&DS

SIGNATURE OF APPROVER

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NARRATIVE REPORT

☒ INTERIM☐ FINAL

A progress report for the month of March was received. They have just begun work. A visit is planned for 20 May 1965 to review the progress since that report. A detailed report will be made at that time.

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CONTRACT INSPECTION REPORT

TO:

ENGINEERING SECTION/CB/PD/OL

DATE

10 March 1965

INSPECTION REPORT NO. (If final, so state)

1

ESTIMATED COMPLETION DATE

1 September 1965

NAME OF CONTRACTOR

TYPE OF COMMODITY OR SERVICE

Optical Mipolen

THE CONTRACTOR IS ON SCHEDULE

☒ YES

☐ NO

PER CENT OF WORK COMPLETED - 1 %

PER CENT OF FUNDS EXPENDED - Unknown

THE CONTRACTOR WILL PROBABLY REMAIN WITHIN ALLOCATED FUNDS ☒ YES ☐ NO IF ANSWER IS "NO" ADVISE RECOMMENDATION AND/OR ACTION OF SPONSORING OFFICE, ON REVERSE HEREOF. IF KNOWN, INDICATE MAGNITUDE OF ADDITIONAL FUNDS INVOLVED.

HAS AN INTERIM REPORT, FINAL REPORT, PROTOTYPE, OR OTHER END ITEM BEEN RECEIVED FROM THE CONTRACTOR DURING THE PERIOD? ☒ YES ☐ NO (If yes, give details on reverse side.)

HAS GOVERNMENT-OWNED PROPERTY BEEN DELIVERED TO CONTRACTOR DURING THIS PERIOD? ☐ YES ☒ NO (If yes, indicate items, quantity, and cost on reverse side.)

INCENTIVES

IS THIS AN INCENTIVE CONTRACT
IF YES, CHECK TYPE

☐ YES

☒ NO

☐ COST

☐ PERFORMANCE

☐ DELIVERY

NOTE:
USE REVERSE SIDE FOR COMMENTS.
FINAL REPORT MUST CONTAIN INCENTIVE EVALUATION.

OVERALL PERFORMANCE OF CONTRACTOR

1. ☐ OUTSTANDING

3. ☐ ABOVE AVERAGE

5. ☐ BELOW AVERAGE 7. ☐ UNSATISFACTORY

2. ☐ EXCELLENT

4. ☒ AVERAGE

6. ☐ BARELY ADEQUATE

IF OVERALL PERFORMANCE OF CONTRACTOR IS UNSATISFACTORY OR BARELY ADEQUATE, INDICATE REASONS ON REVERSE SIDE.

RECOMMENDED ACTION

☒ CONTINUE AS PROGRAMMED

☐ WITHHOLD PAYMENT PENDING
SATISFACTORY PERFORMANCE

☐ TERMINATE

☐ OTHER (Specify)

IF TERMINATION IS RECOMMENDED OR IF THIS IS A FINAL REPORT PUT COMMENTS ON REVERSE IN NARRATIVE FORM ON CONTRACTOR'S PERFORMANCE AND CERTIFY THAT ALL DELIVERABLE ITEMS UNDER THE CONTRACT HAVE BEEN RECEIVED. THESE INCLUDE, WHERE APPLICABLE, THE FOLLOWING:

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PROTOTYPES			MANUALS		
DRAWINGS AND SPECIFICATIONS			FINAL REPORT		
PRODUCTION AND/OR OTHER END ITEMS			SPECIAL TOOLING		
			OTHER GOVERNMENT PROPERTY		

DATE OF LAST CONTACT WITH CONTRACTOR

9 March 1965

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NARRATIVE REPORT

☒ INTERIM

☐ FINAL

ATTACHES:



The list of questions was discussed to determine if [redacted] understood the questions. They now understand the list and agreed that the results of the contract should answer the questions. [redacted] supplied a report that stated their objectives for the initial phase of the program. It was agreed that monthly progress reports and a final report would be furnished.

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